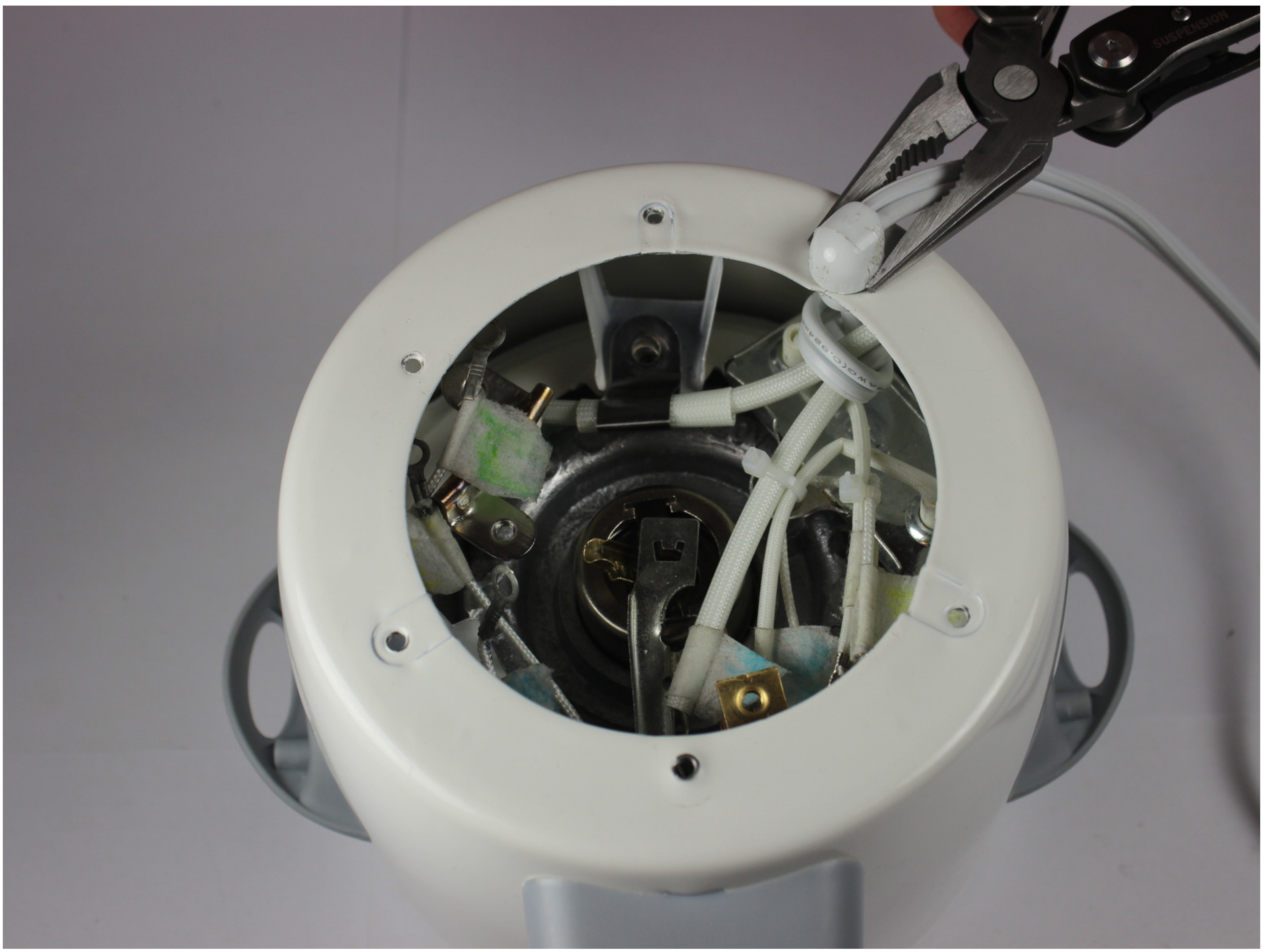
Black and Decker 3-Cup Rice Cooker Power Cord Replacement

In this guide we will replace the device's power cord.

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INTRODUCTION

The device's power cord breaks easily, so it is important to be able to install a new one. In this guide we will learn how to replace the device's power cord.

TOOLS:

- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)
- Spanner 2.6 Screwdriver (1)
- Voltmeter (1)
- Utility Scissors (1)
- Colored Highlighters (1)
- Masking Tape (1)
- Digital Multimeter (1)
- Large Needle Nose Pliers (1)

PARTS:

- NEMA 1 (15 Amp 120V AC) power cord (1)

Step 1 — Remove the Lid and Bowl



Make sure the device is unplugged before beginning disassembly!

- Lift the lid and bowl from the top of the device.

Step 2 — Turn the Device Upside-Down



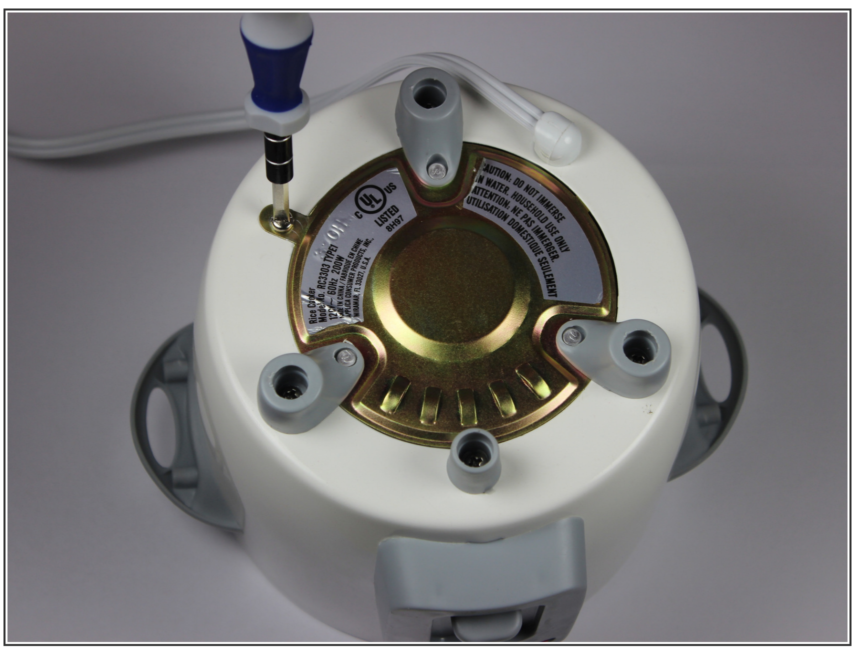
- Turn the device upside-down, so that the four legs of the device point upwards.

Step 3 — Remove the Rubber Cushions



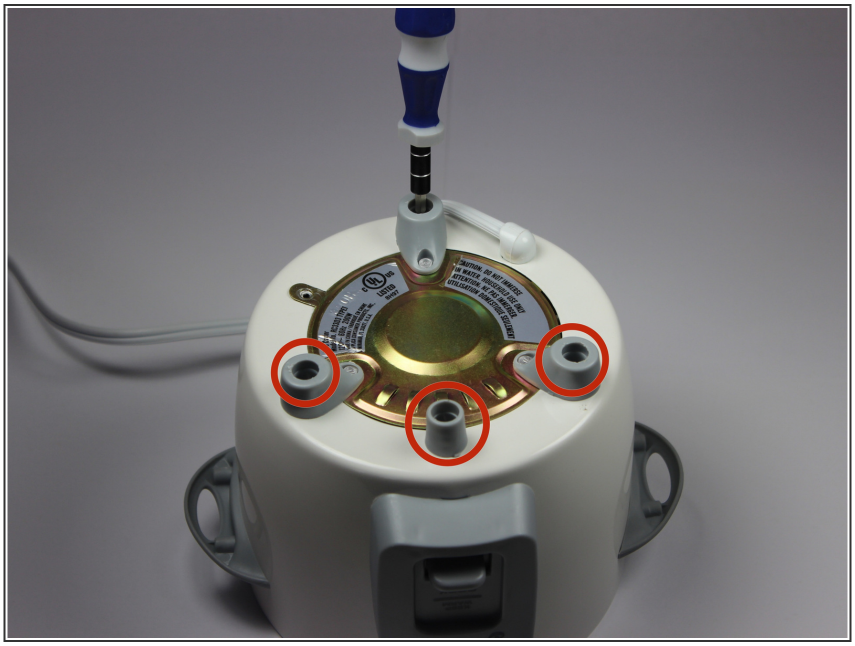
- Each of the four legs has a rubber cushion on its bottom. For each cushion, insert a plastic opening tool between the plastic leg and rubber cushion, and pry off the rubber cushion.

Step 4 — Remove the Spanning Screw



- Using a spanner screwdriver, remove the one 10mm long 7mm diameter spanner screw from the side of the brass panel.

Step 5 — Remove the Leg Screws



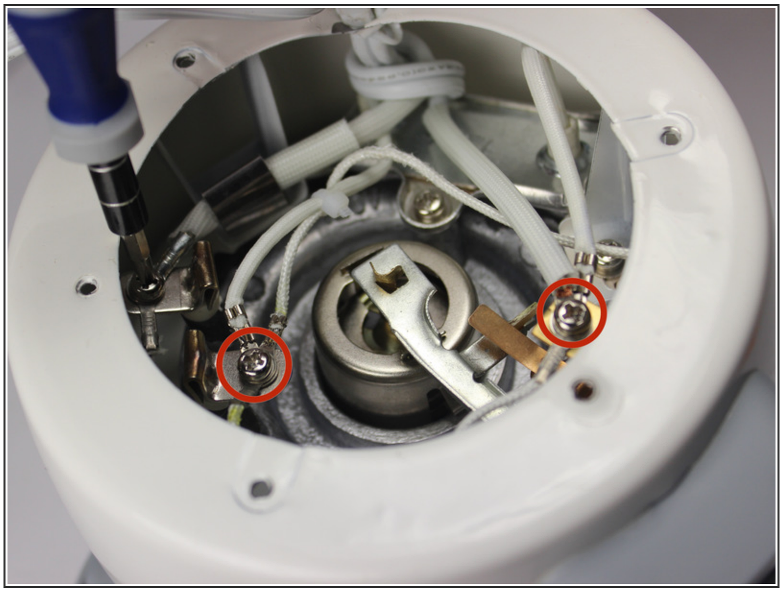
- Using a Phillips screwdriver, remove the 10mm long 7mm diameter Phillips-head screws from the inside of all four legs.
- The smaller leg at the bottom is now loose and not attached to the device. Set it aside.

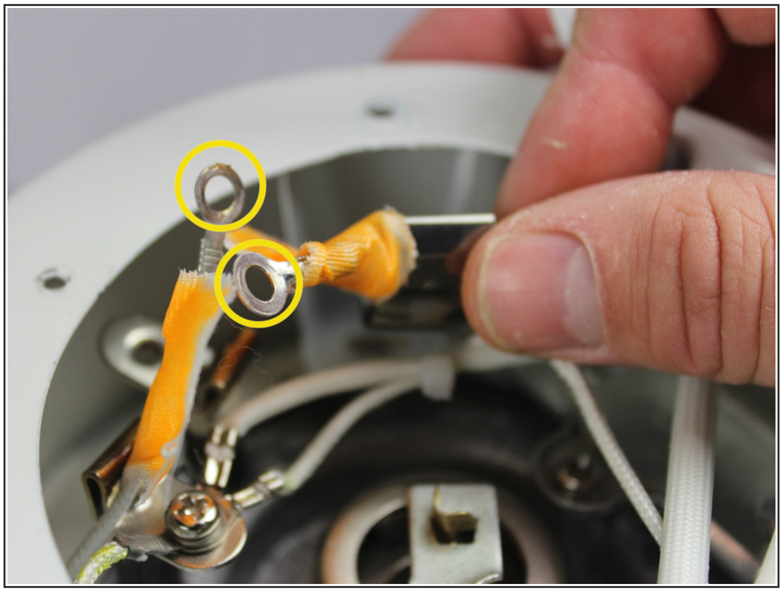
Step 6 — Remove the Brass Plate



- Lift the brass plate off the device and set it aside.

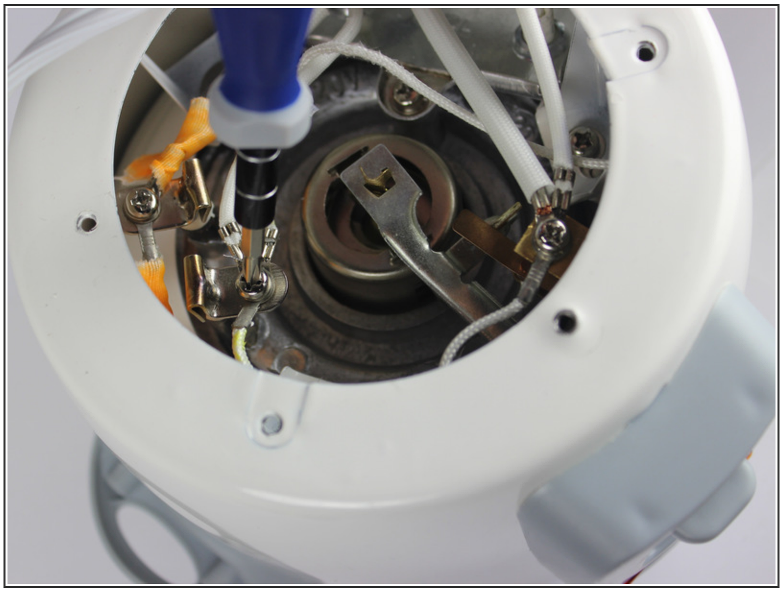
Step 7 — Color the Wires

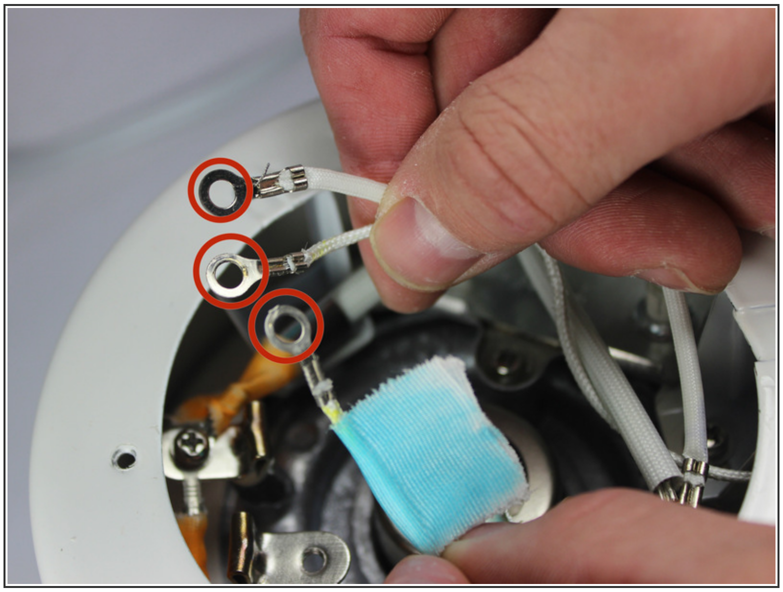




- Color coordinating wire groups make it easier to identify the wire groups during reassembly.
- Inside the device, there are three junctions with wires joined by Phillips-head screws. The first is connected to two wires, and the other two are connected to three wires each.
- Unscrew the screw at the junction near the opposite side of the device from the front panel.
- Label each of the two wires at this junction with a single color of tape.

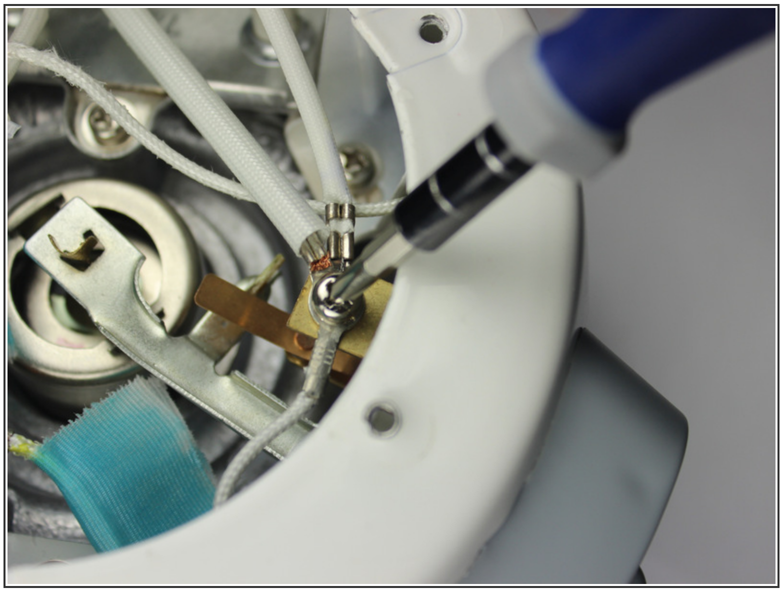
Step 8 — Label the Second Wire Junction

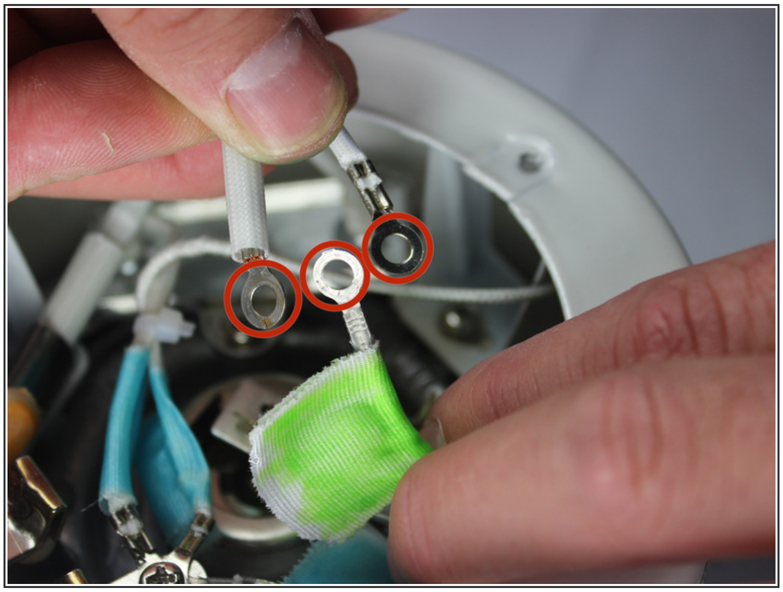




- Unscrew the screw at the junction just clockwise from the button panel.
- Label the three wires of this junction with tape of a second color.

Step 9 — Label the Third Wire Junction





- Unscrew the screw from the wire junction just behind the front panel.
- Label the three wires at this junction with a third color of tape.

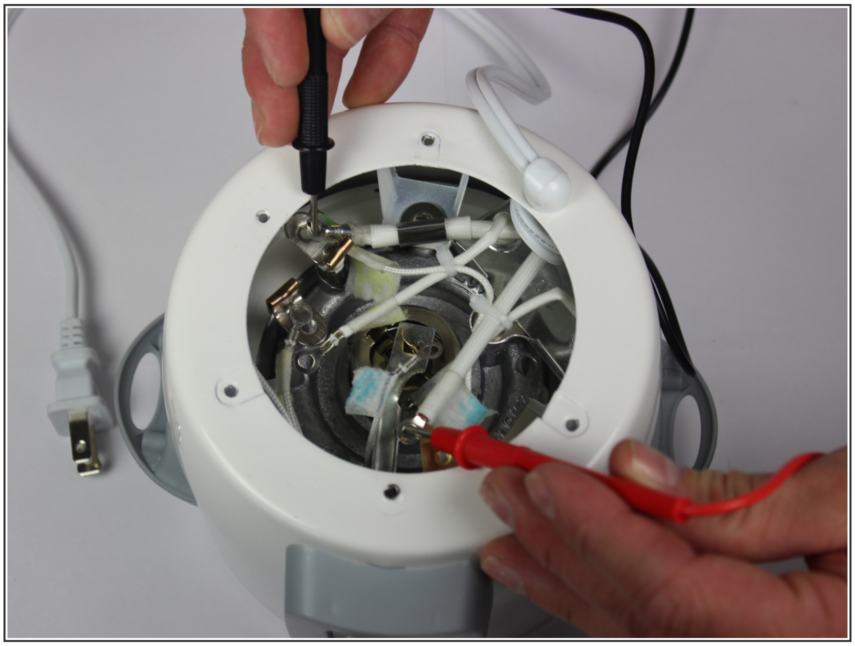
Step 10 — Plug the Device into an Outlet



⚠ During these steps, ***DO NOT*** touch the wires directly. You may be electrocuted.

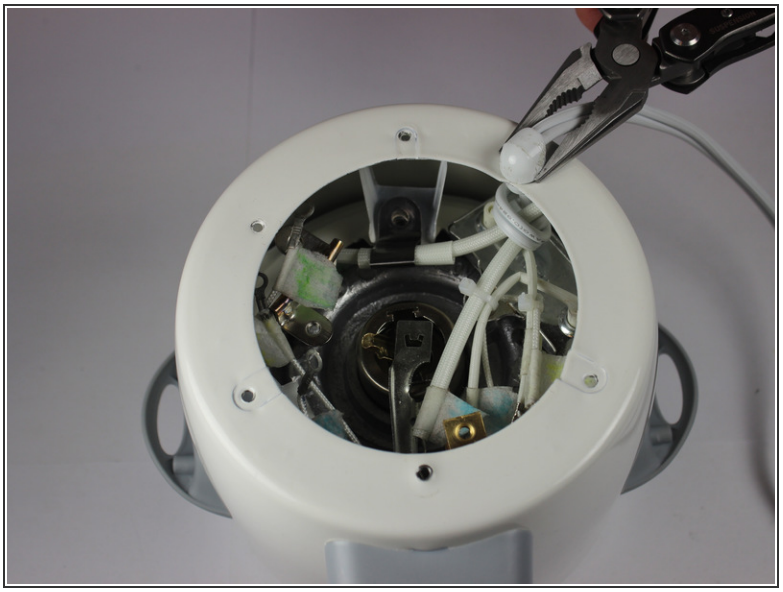
- Plug the device's power cord into a functioning outlet.

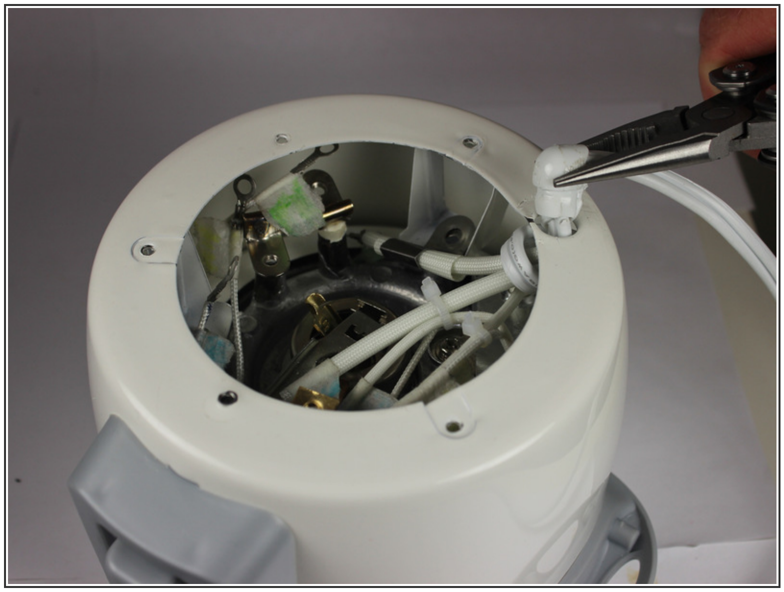
Step 11 — Check the Voltage between the Wires



- Locate the two wires which are connected directly to the power cord. Unlike the other wires, they are sheathed in a particularly thick, dot-textured plastic.
- Make sure the voltmeter is on and set to a setting beween 120 and 500V. For most voltmeters the proper setting for this is the 200V setting.
- Attach one of the voltmeter's probes to the metal portions of each of the two wires connected to the power cord's end on the device
- The voltmeter should read a number significantly above 20V. A reading between 100 and 150 V indicates that the device is getting enough power. A lower number indicates the power cord is broken.

Step 12 — Remove the Plastic Cord Locker

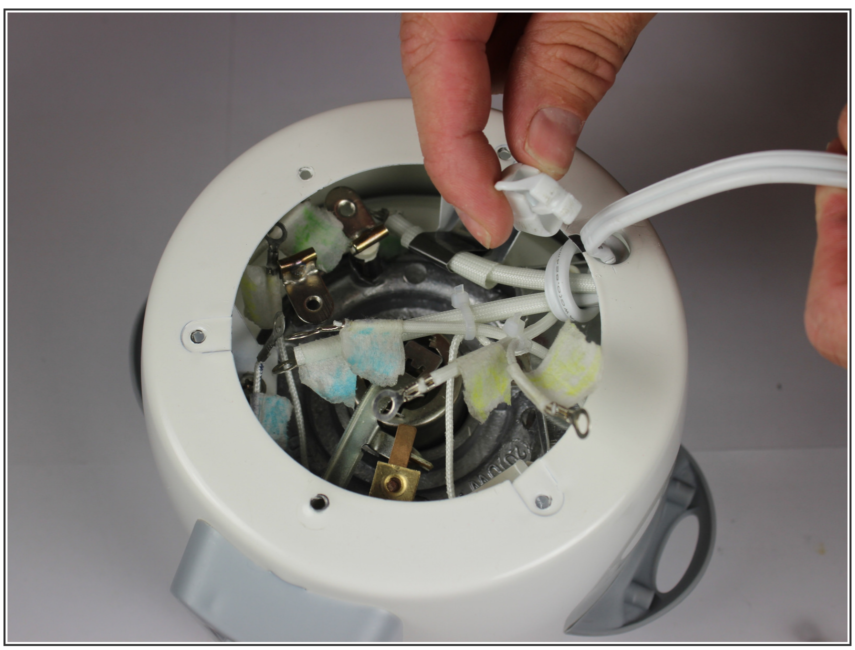




⚠ Make sure the device ***IS NOT PLUGGED IN*** before attempting the following steps.

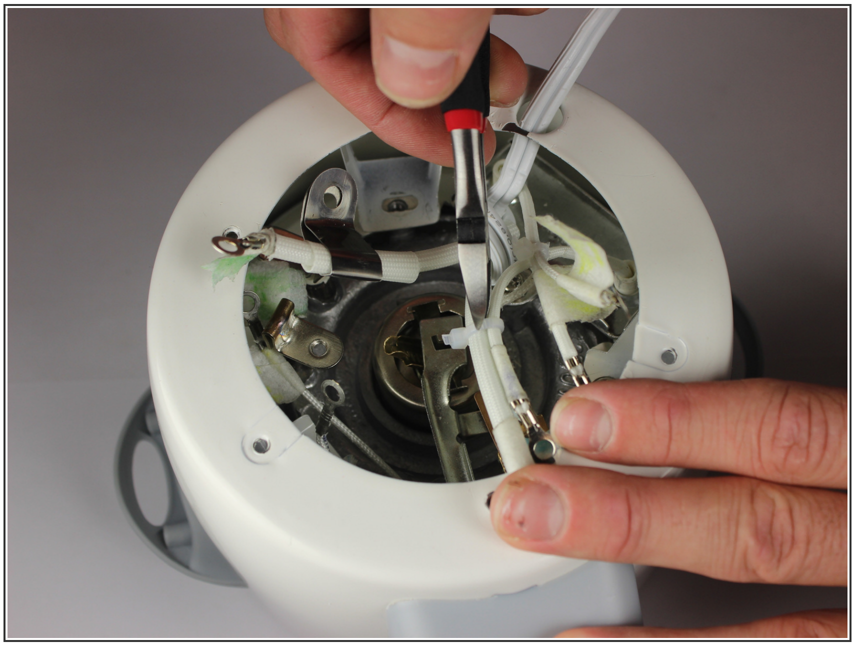
- Using a pair of pliers, pull the white plastic knob on the edge of the device up, away from the device. The knob should come lose.

Step 13 — Unlock the Knob



- Locate the small white latch on the side of the knob and pull it away from the cord. This will unlock it and expose he cord underneath. Set the knob aside.

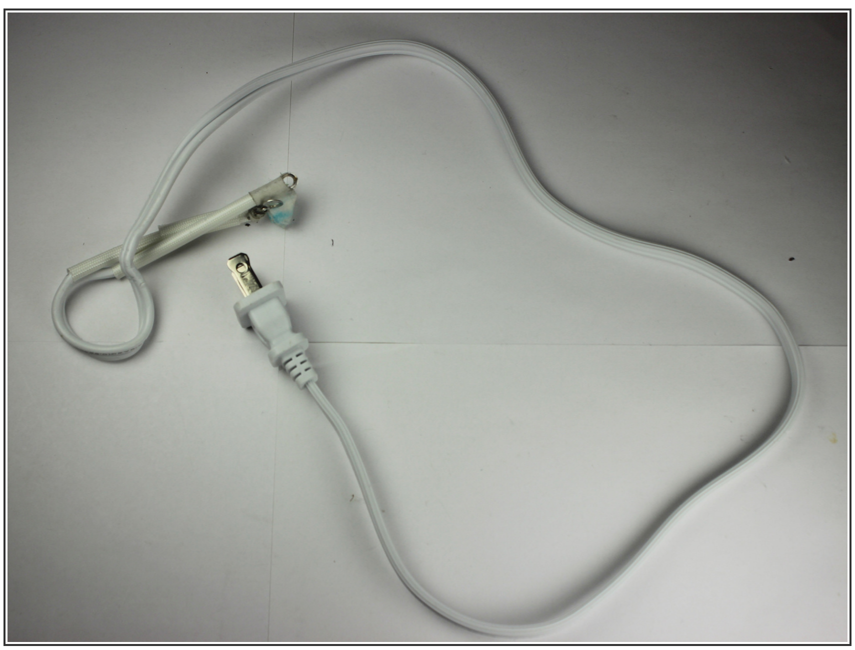
Step 14 — Cut the Zip Tie



- Using a pair of scissors , cut the zip tie that holds the thick power supply wire to a smaller wire.

ⓘ The zip ties are not essential to the performance of device, if you cut both of them, it does not matter.

Step 15 — Pull the Cord out



- Pull the wires out through the hole, isolating the power cord from the device.

Step 16 — Thread the New Power Cord's wires into the Hole



- ⚠ To ensure the power cord is compatible with the device, make sure that the replacement cord you are using has a proper insulating coating and uses a NEMA 1 plug. NEMA 1 plugs are the common type of plug that have two parallel "|" shaped metal beams.
- Replace with new power cord by doing disassembly steps in reverse order.

To reassemble your device, follow these instructions in reverse order.

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